

0 20 40
 GAAAATGGCGCCTCACGGCCCGGTAGTCTTACGACCCCTGGTGCCTGGCGCCCT

 CTTTATCCGCGGAGTGC CGGGCCCATCAGAATGCTGGGACCACGGGACCCGACGGCGGGA
 M A P H G P G S L T T L V P W A A A L
 60 80 100
 GCTCTCGCTCTGGGCGTGGAAAGGGCTCTGGCGCTACCCGAGATATGCACCCAATGTCC

 CGAGGAGCGGAGACCCGCACCTTTCCCGAGACCGCGATGGGCTCTATACGTGGGTACAGG
 L L A L G V E R A L A L P E I C T Q C P
 120 140 160
 AGGGAGCGGTGCAAAATTTGTCAAAGTGGCCTTTTATTGTAAACGACACGAGAGCTAAT

 TCCTTCGCACGTTTAAACAGTTTTCACGGAAATAACATTTTGCTGTGCTCTCGATTG
 G S V Q N L S K V A F Y C K T T R E L M
 180 200 220
 GCTGCATGCCCGTTGCTGCCTGAATCAGAAGGGACCATCTTGGGCGTGGATCTCCAGAA

 CGACGTACGGGCAACGACGGACTTAGTCTTCCCGTGTAGAACCCCGACCTAGAGGTCIT
 L H A R C C L N Q K G T I L G L D L Q N
 240 260 280
 CTGTCTCTGGAGGACCCCTGGTCCAAACTTTTCATCAGGCACATACCAGTGTATCATAGA

 GACAAGAGACCTCTGGGACCAAGTTTGAAGTAGTCCGTGTATGTTGACAGTAGTATCT
 C S L E D P G P N F H Q A H T T V I I D
 300 320 340
 CCTGCAAGCAAAACCCCTCAAAGGTGACTTGGCCAAACACCTTCGGTGGCTTTACTCAGCT

 GGACGTTGTTTGGGGGAGTTTCCACTGAACCGGTTGTGGAAGGCACCGAAATGAGTCGA
 L Q A N P L K G D L A N T F R G F T Q L
 360 380 400
 CCAGACTCTGATACTGCCACAACATGTCAACTGTCTGGAGGAATTAAATGCCTGGAATAC

 GGTCTGAGACTATGACGGTGTGTACAGTTGACAGGACCTCCTTAATTACGGACCTATG
 Q T L I L P Q H V N C P G G I N A W N T
 420 440 460
 TATCACCTCTTATATAGACAACCAATCTGTCAAGGGCAAAAGAACCTTTGCAATAACAC

 ATAGTGGAGAATATATCTGTGTGTTTACAGAGTTCCTTCTTGGAAACGTTATGTGT
 I T S Y I D N Q I C Q G Q K N L C N N T
 480 500 520
 TGGGGACCAGAAATGTGTCTGAGAATGGATCTTGTGTACCTGATGGTCCAGGTCTTTT

 ACCCTTGGGCTTTTACACAGGACTCTTACCTAGAACACATGGACTACCAAGTCCAGAAAA
 G D P E M C P E N G S C V P D G P G L L
 540 560 580

FIGURE 1A

GCAGTGTGTTTGTGCTGATGGTTTCCATGGATACAAGTGTATGCGCCAGGGCTCGTTCTC

 CGTCACACAAACACGACTACCAAAGGTACCTATGTTACATACGGGTCCCGAGCAAGAG
 Q C V C A D G F H G Y K C M R Q G S F S
 600 620 640

ACGTGCTTATGTTCTTCTGGGATTCTGGGAGCCACCACTCTATCCGTCTCCATTCTGCTTTG

 TGACGAATAGAAGAAGCCCTAAGACCCCTCGGTGGTGAGATAGGCAGAGGTAAAGACGAAAC
 L L M F F G I L G A T T L S V S I L L W
 660 680 700

GGCGACCCAGCGCCGAAAAGCCAAAGACTTCATGAACCTACATAGGTCTTACGATTGACCTA

 CCGCTGGGTCCGGCTTTTCGGTTCTGAAGTACTTGATGTATCCAGAATGGTAACGGAT
 A T Q R R K A K T S *
 720 740 760

AGATCAATCTGAACCTATCTTAGCCCCAGTCAGGGAGCTCTGCTTCCTAGAAAGGCATCTTT

 TCTAGTTAGACTTGATAGAAATCGGGTCAGTCCCTCGAGACGAAGGATCTTTCGGTAGAAA
 780 800 820

CGCCAGTGGATTCCGCTCAAGGTTGAGGCGCCCATTTGGAAGATGAAAAATTGCACCTCCCT

 CGGTCACCTAAGCGGAGTTCCAACTCCGGCGGTAACCTTCTACTTTTTAACGTGAGGGA
 840 860 880

TGGTGTAGACAAATACCACTTCCCATTGGTGTTGTTGCCTATAATAAACACTTTTTTCTT

 ACCACATCTGTTTATGGTCAAGGGTAACCACAACAACGGATATTATTGTCAAAAAAGAA
 900

TTTTAAAAAAAAAAAAAAAAAAAA

 AAAATTTTTTTTTTTTTTTTTT

FIGURE 1B

Human TGF α VVSFHNDCEPDSHTQF-CFH-GTCRFLVQEDKPAVCVCHSGYVGARCEHADLLA
 TGF α H3 64 KHLNNTGDPENCPENGSCVPDGPGLLQ-CVCADGFHGYKCMRQGSFSLIM

FIGURE 2

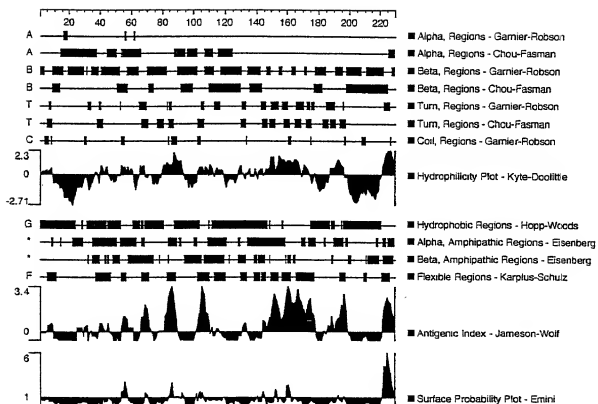


FIGURE 3

AoSMC Alamar Blue Proliferation Assay

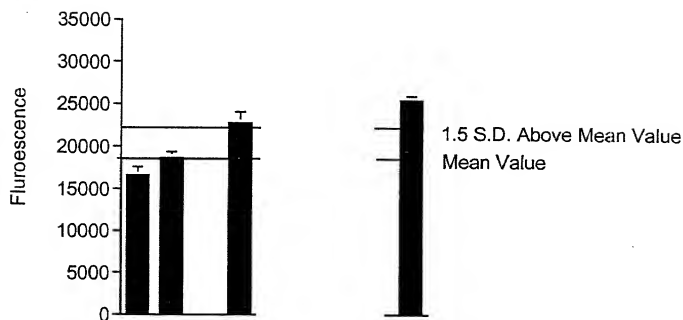


FIGURE 4